

IN THE CLAIMS:

Please cancel Claims 1, 6 to 9, 19 to 27 and 29 without prejudice.

Claim 1 (Canceled)

Claim 2 (Currently Amended) An assembly as set forth in Claim ±  
30 wherein:

- (a) said spacer member is a screw in type spacer and includes an external thread positioned on said spacer member in such a manner as to be sized and shaped to threadedly engage the vertebral surfaces when implanted between the vertebrae.

Claim 3 (Currently Amended) An assembly as set forth in Claim ±  
30 wherein said spacer member includes:

- (a) a superior vertebra engaging surface and an opposite inferior vertebra engaging surface; and
- (b) at least a portion of each of said superior surface and said inferior surface have a thread thereon having crests that are aligned to form a partial cylindrical surface.

Claim 4 (Currently Amended) An assembly as set forth in Claim 3 wherein said spacer member includes:

- (a) opposite lateral surfaces; and
- (b) each of said lateral surfaces ~~being~~ are substantially concave.

Claim 5 (Original) An assembly as set forth in Claim 3 wherein:

- (a) said thread has a root that followings a path located on a funnel shaped surface and having a root with a greatest radius near an anterior end of said spacer member and with a smallest radius near a posterior end of said spacer member.

Claim 6 (Canceled)

Claim 7 (Canceled)

Claim 8 (Canceled)

Claim 9 (Canceled)

Claim 10 (Currently Amended) A spinal fusion interbody spacer assembly for maintaining a selected intervertebral spacing between an adjacent pair of vertebrae having mutually facing

vertebral surfaces, each vertebral surface including an inner central region and an outer edge region, said assembly comprising:

- (a) an interbody spacer member sized and shaped so as to be adapted to enable implanting of said member between an adjacent pair of vertebrae to engage and support certain central regions of mutually facing vertebral surfaces of the vertebrae;
- (b) an end cap joinable with said spacer member and configured in such a manner as to be adapted to enable implanting between facing edge regions of the vertebrae, said end cap including a pair of wing portions extending laterally on opposite sides of said end cap, said end cap and said wing portions being sized and shaped to ~~engaged~~ engage and extend along the anterior edges of said facing vertebral surfaces ~~edge regions of the vertebral surfaces~~; and
- (c) said end cap being removably securable to said spacer member and cooperating therewith to maintain the selected intervertebral spacing between the vertebrae.

Claim 11 (Original) An assembly as set forth in Claim 10 wherein:

- (a) said spacer member and said end cap cooperate to position said spacer member in substantial alignment

with a median plane of the vertebrae.

Claim 12 (Original) An assembly as set forth in Claim 10 and including:

- (a) at least one resilient pawl positioned on said end cap;
- (b) a pawl receiving recess formed on said spacer member;  
and
- (c) said end cap being secured to said spacer member by resilient engagement of said pawl with said recess.

Claim 13 (Original) An assembly as set forth in Claim 10 and including:

- (a) a pair of resilient pawls positioned in opposed relation on said end cap;
- (b) a recess structure forming a respective pawl receiving recess on each of opposite sides of said spacer member;  
and
- (c) said end cap being secured to said spacer member by resilient engagement of each of said pawls with a respective pawl receiving recess of said spacer member.

Claim 14 (Original) An assembly as set forth in Claim 10 wherein:

- (a) said spacer member includes external threads positioned on said spacer member in such a manner as to threadedly

engage the vertebral surfaces when implanted between the vertebrae.

Claim 15 (Original) An assembly as set forth in Claim 14 wherein said spacer member includes:

- (a) a superior vertebra engaging surface and an opposite inferior vertebra engaging surface; and
- (b) at least a portion of each of said superior surface and said inferior surface having threads thereon with crests that are located so as to be positioned on a cylindrical shaped and discontinuous surface.

Claim 16 (Original) An assembly as set forth in Claim 15 wherein said spacer member includes:

- (a) opposite lateral surfaces; and
- (b) each of said lateral surfaces being substantially concave.

Claim 17 (Original) An assembly as set forth in Claim 15 wherein:

- (a) said threads have roots that are located so as to be positioned on a funnel shaped and discontinuous surface having a greatest radius near an anterior end of said spacer member.

Claim 18 (Original) An assembly as set forth in Claim 10 and including:

- (a) said end cap and said wing portions having a generally continuous superior cap surface and an opposite inferior cap surface; and
- (b) said end cap being secured to said spacer member in such a manner that when in use said cap surfaces is adapted to engage the edge regions of the vertebral surfaces.

Claim 19 (Canceled)

Claim 20 (Canceled)

Claim 21 (Canceled)

Claim 22 (Canceled)

Claim 23 (Canceled)

Claim 24 (Canceled)

Claim 25 (Canceled)

Claim 26 (Canceled)

Claim 27 (Canceled)

Claim 28 (Currently Amended) A method of stabilizing between a pair of vertebrae including the steps of:

- (a) placing a single midline spacer having a cylindrical profile between said vertebrae so as to be located in a median plane relative to said vertebrae; and
- (b) placing an end cap on said spacer wherein said end cap includes wings that extend laterally outward and are sized and shaped to follow the anterior curvature of the vertebrae to the lateral sides thereof and also are sized and shaped to be positioned between and engage facing surfaces of the vertebrae such that said end cap engages said vertebrae and ~~resist~~ resists lateral rotation of said vertebrae about said spacer and subsidence of the vertebrae relative to said spacer.

Claim 29 (Canceled)

Please add the following claims:

Claim 30 (New) A centerline spinal fusion interbody spacer assembly for implanting to maintain a selected intervertebral spacing between an adjacent pair of vertebrae having mutually facing vertebral surfaces and each having inner central regions and an outer edge region with lateral sides, said assembly comprising:

- (a) an interbody spacer member configured sized and shaped to enable implanting between an adjacent pair of vertebrae to engage mutually facing vertebral surfaces of the vertebrae to thereby maintain a selected intervertebral spacing therebetween;
- (b) said spacer member being further configured to enable said spacer member to be positioned in substantial alignment with a median plane of the vertebrae as a single such spacer; and
- (c) an end cap member securable to said spacer member having a superior cap surface and an opposite inferior cap surface; said superior and inferior cap surfaces being sized and shaped to be positioned between said vertebrae and engage respective facing vertebral surfaces of said vertebrae while following the anterior curvature of a respective vertebra; said end cap member



including a pair of wing portions each sized and shaped so as to extend laterally to and support respective facing vertebral surfaces on opposite lateral sides of said vertebrae during use.

Claim 31 (New) The assembly as called for in Claim 30 wherein:

- (a) the outer edges of said wing portions are sized and shaped to substantially follow the anterior and side curvature of the outer edges of respective vertebrae during usage.

Claim 32 (New) In a spinal fusion assembly having a centerline interbody spacer that is sized and shaped to be midline positioned between facing surfaces of adjacent vertebrae and including an end cap, the improvement comprising:

- (a) said end cap includes a pair of laterally extending wings that are sized and shaped to follow the anterior curvature of the edge of a respective vertebra and to be positioned during use between said facing surfaces of said adjacent vertebrae and extend to the lateral sides of said vertebrae.